



Scott J. Ferguson

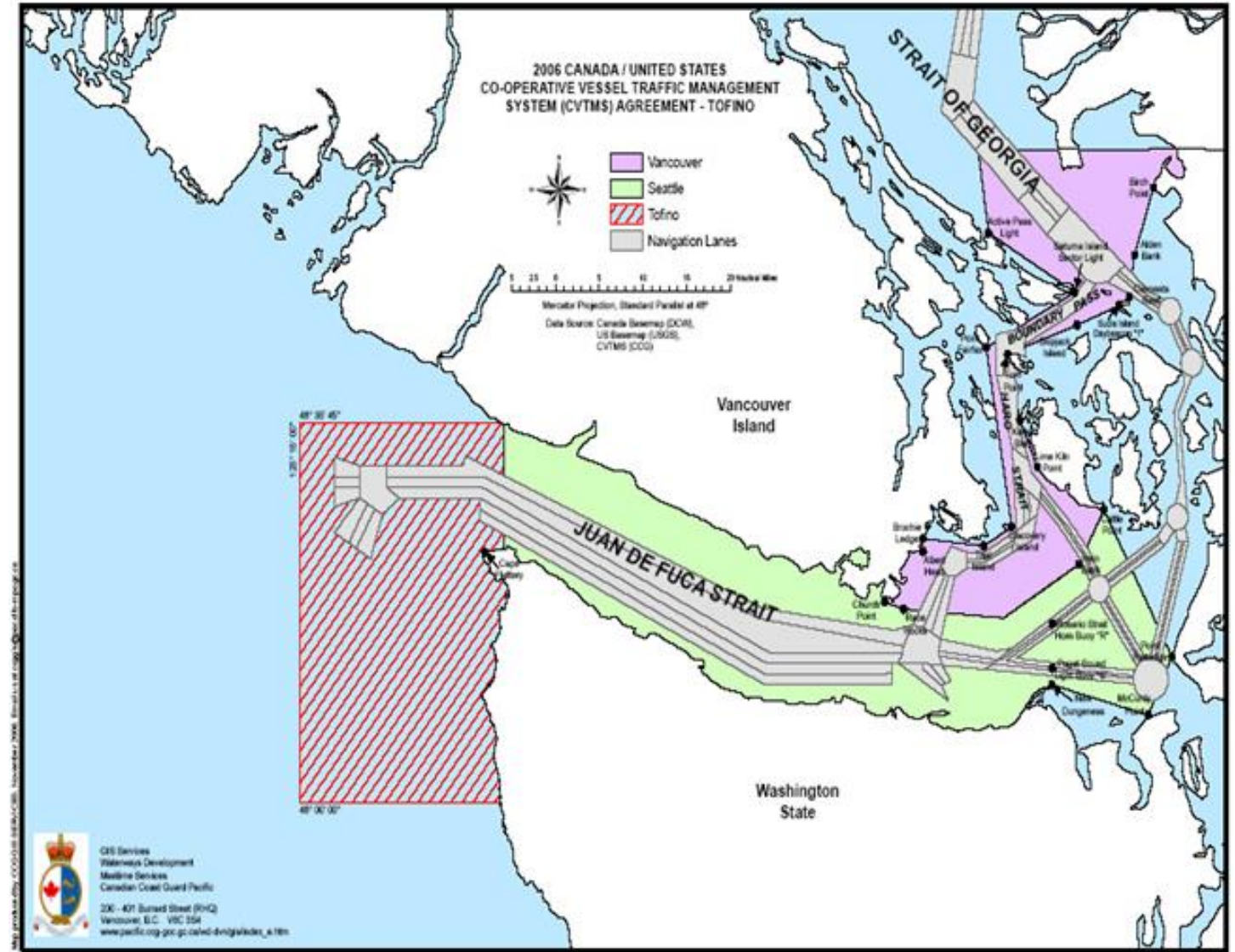
WA Ecology Spills
Prevention Section
Manager

Salish Sea: Current State of Waterway Use and Management

Cooperative Vessel Traffic Service

A Traffic Separation Scheme exists for the Strait of Juan de Fuca and Puget Sound and is recognized by the International Maritime Organization (IMO).

This vessel traffic service operates in cooperation with Canadian authorities as part of the Canada/U.S. Cooperative Vessel Traffic Management System



Some existing risk reducing measures – zero spills goal

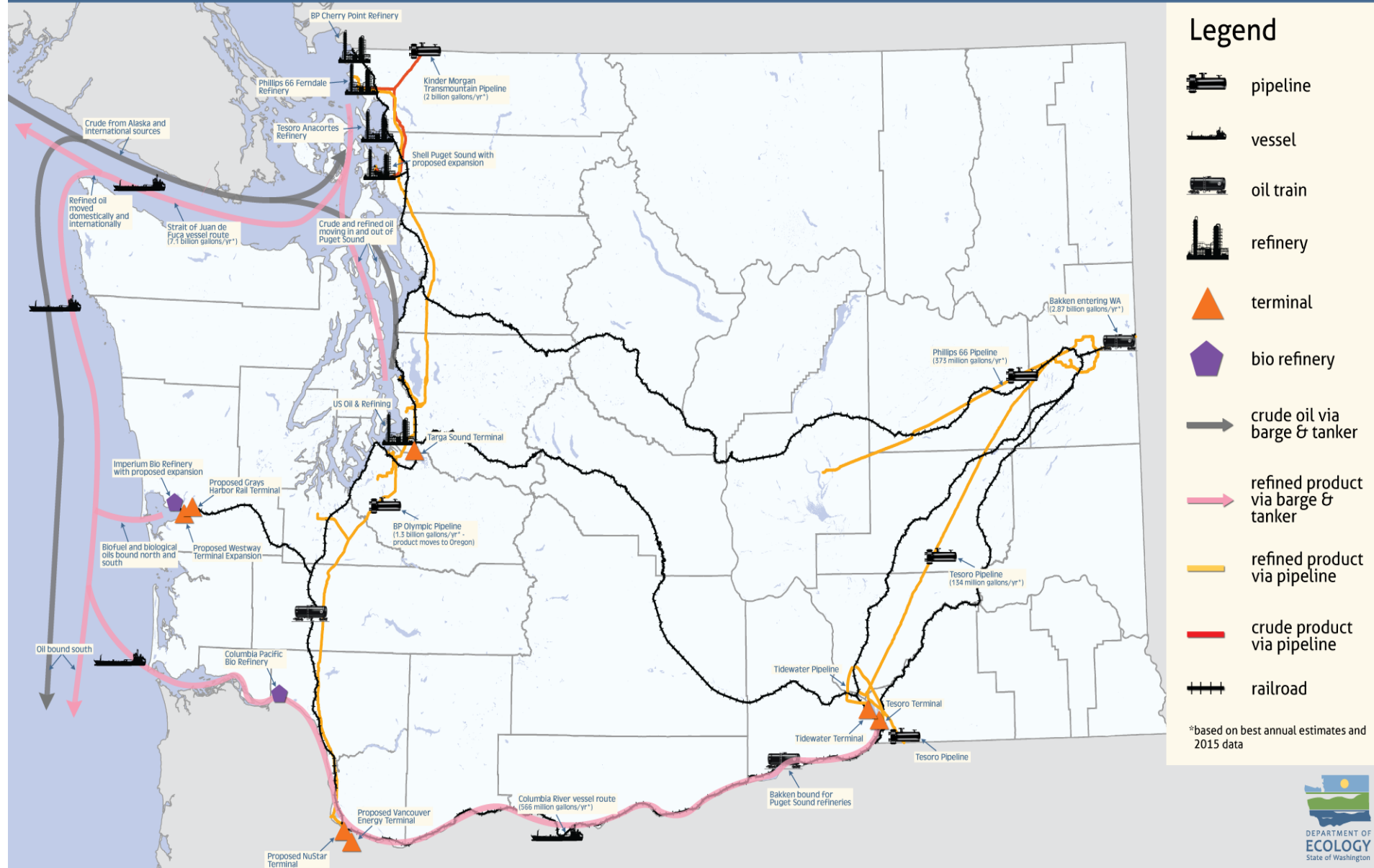
- Emergency Response Towing Vessel: industry pays to keep it at Neah Bay.
- 125,000 dead weight tonnage limit for Puget Sound, these vessels can only be loaded to just under one million barrels to enter our waters.
- All oil tankers arriving into Washington waters are double-hulled. One way traffic Rosario.
- Ships all types: Approx. 50% independent fuel tanks and growing, ship construction standards, IMO crew training, rest requirements, SMFF, OSRPs Fed and State, ECA, Ballast Water reqmts, waste oil management, and oil transfer requirements Fed and State, rigorous inspection regimes...
- BC Pilots and Puget Sound Pilots (treaty of 1846).

Tug escorts – U.S. and Canada

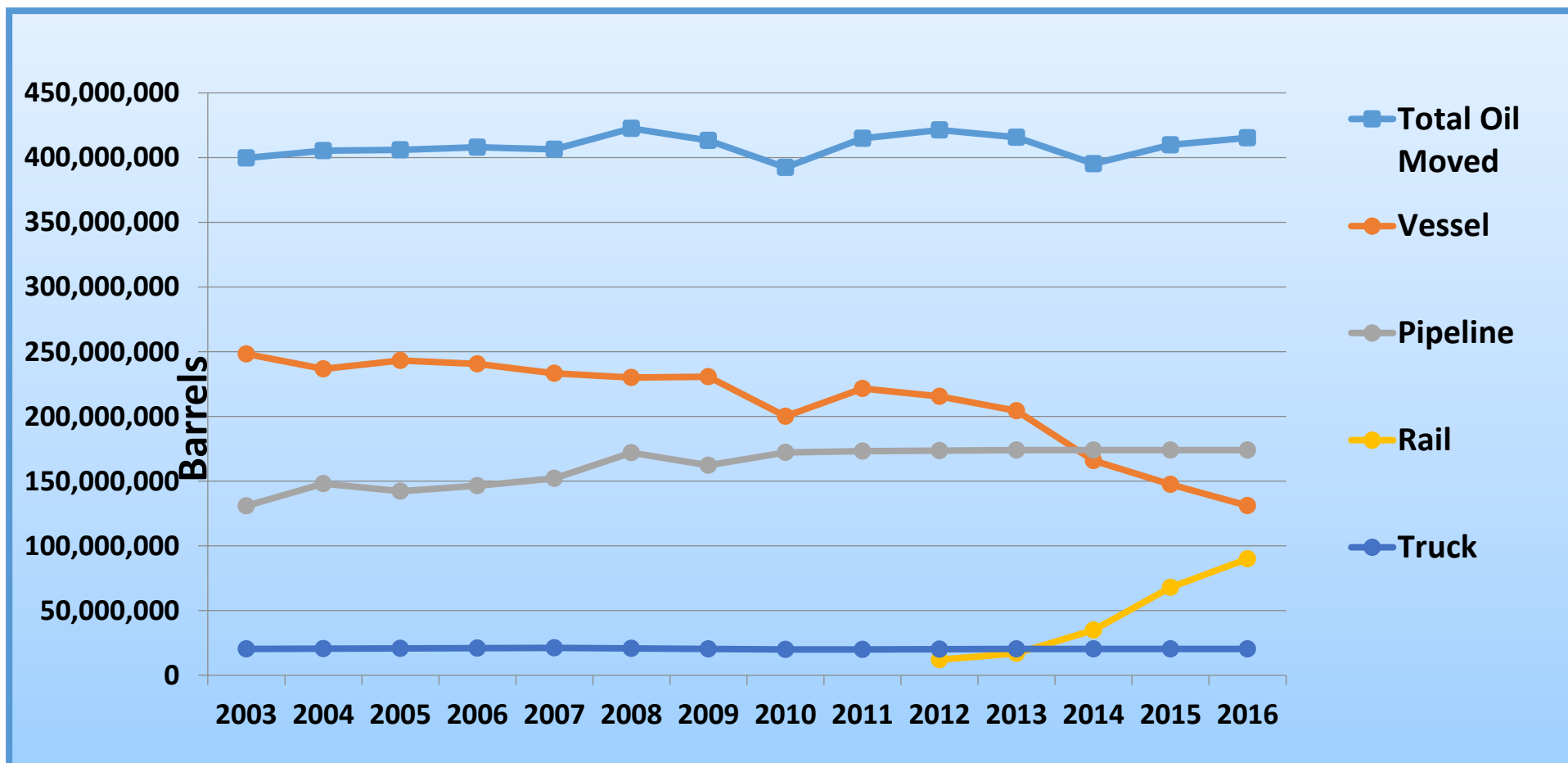
All laden oil tankers transiting to/from Washington ports must be accompanied by an adequate tug escort

- all points east and north from a line extending of the New Dungeness light to Discovery Island light (just east of Port Angeles).
- All laden oil tankers transiting to/from Canadian ports must be accompanied by an adequate escort tug
 - between Race Rocks (south of Victoria) and East Point (at the eastern end of Boundary Pass).

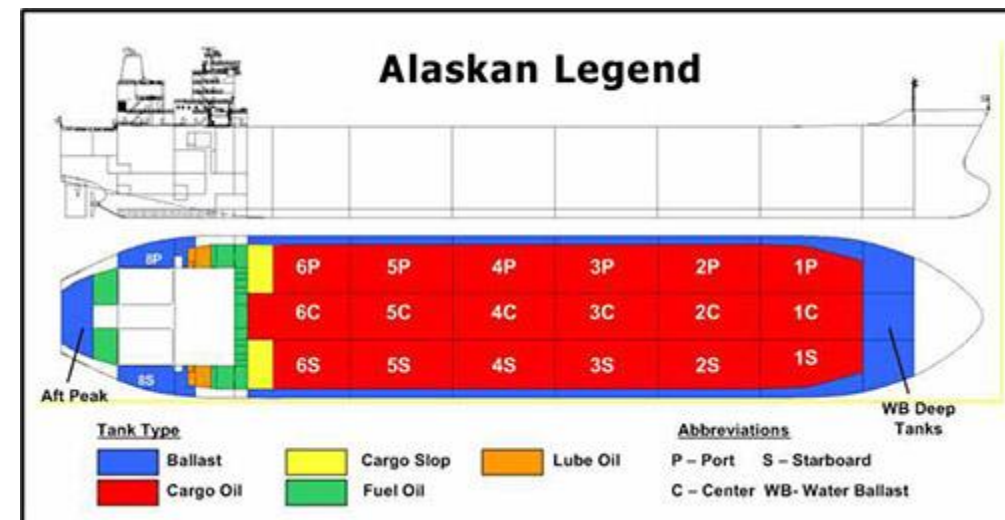
OIL MOVEMENT IN & OUT OF WASHINGTON STATE



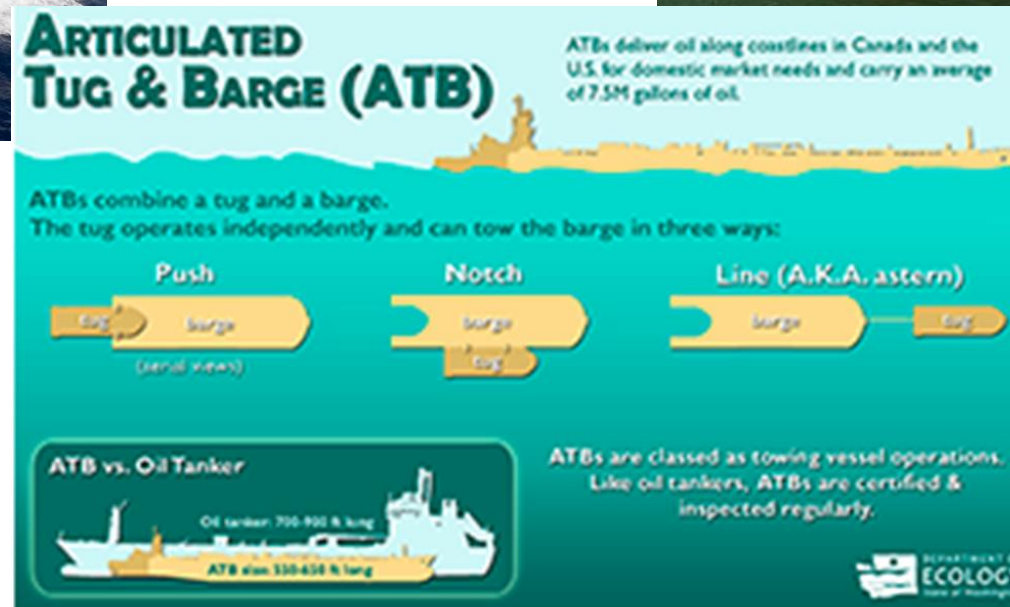
Oil Moved by Transport Mode



POLAR ENDEAVOUR AND ALASKA LEGEND



ARTICULATED TUG AND BARGE

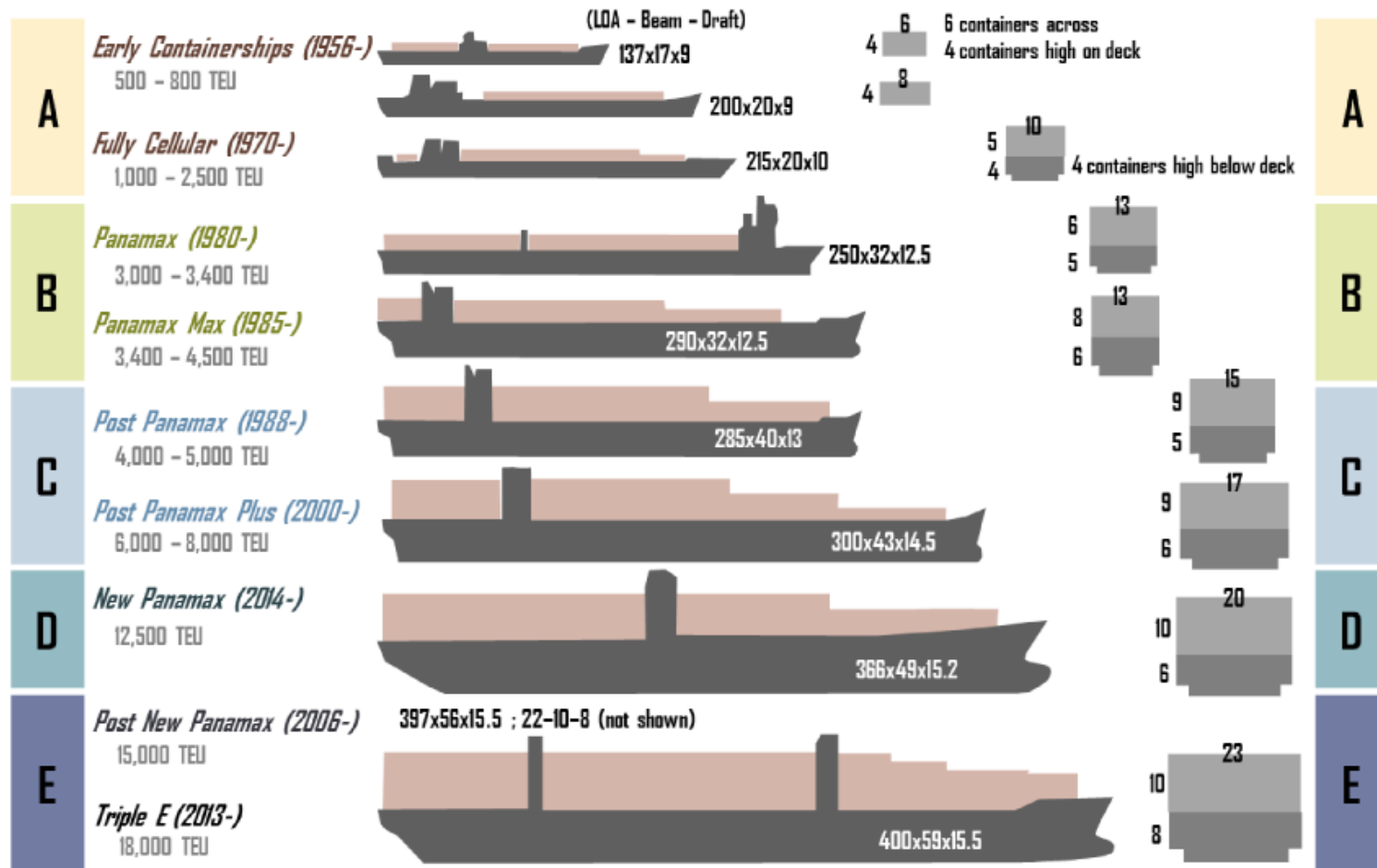


DRY BULK SHIPS

- HANDYSIZE: 15K – 30K DWT, BELOW 500' LOA
- HANDYMAX: 30K – 50K DWT, 490'-655' LOA
- MODERN HANDYMAX 52K -58K DWT
- SUPRAMAX (PANAMAX): 50K – 60K DWT
- Some Capesize: 175K DWT+



CONTAINERSHIP SIZES



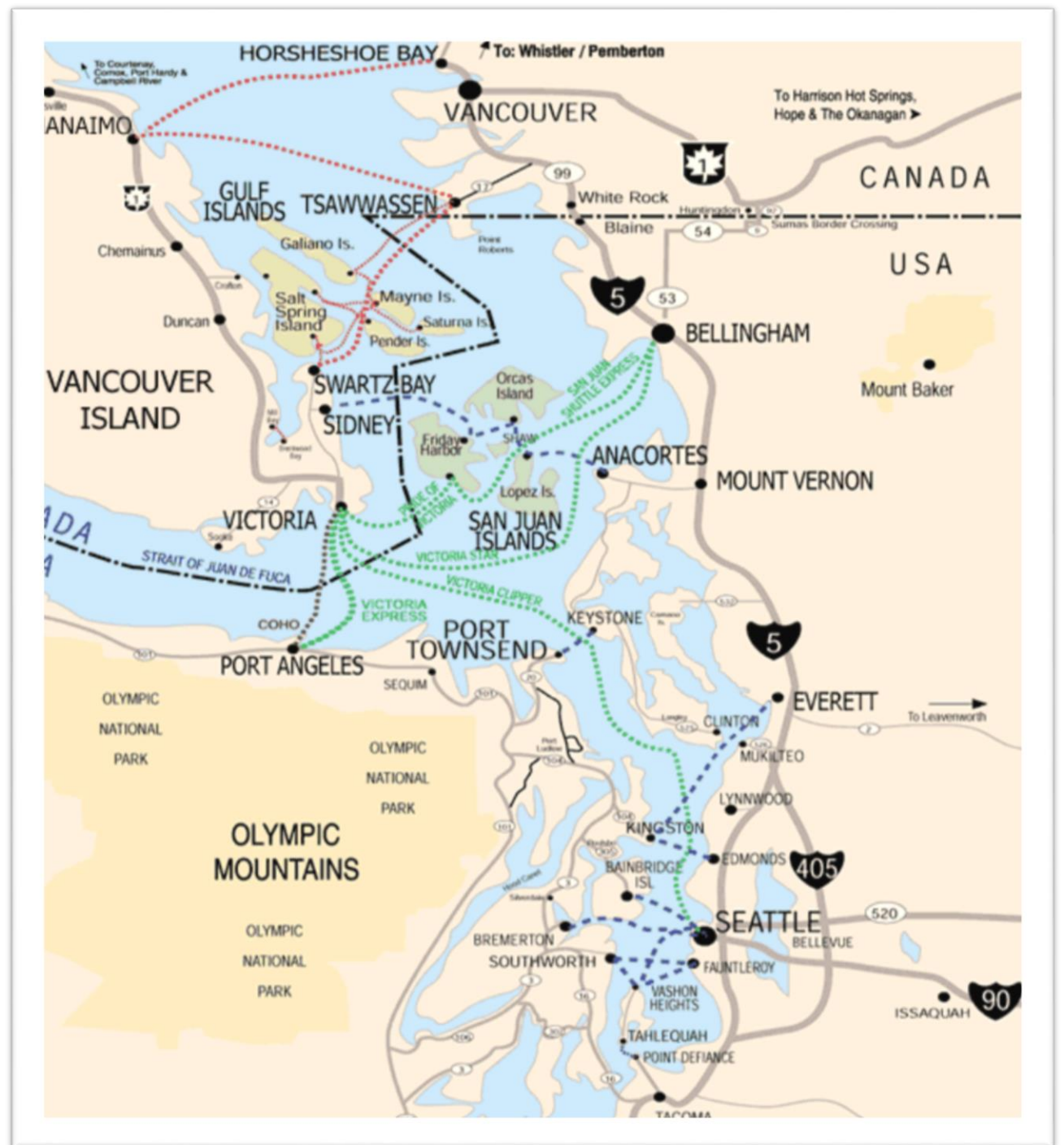
Puget Sound Fishing Fleet

- Seattle is home to the North Pacific Fishing Fleet. Fisherman's Terminal in the Ballard ship canal moors a few hundred small, to mid-sized fishing vessels and a few large vessels, as well. These vessels enter and depart Puget Sound via the Straits of Juan de Fuca and Georgia seasonally according to fish openings.
- Typically, they fuel at Ballard Oil or Covich Williams or from mobile fueling trucks.

Ferry System

Part of the state highway system.

Typically fuels by having mobile fuel trucks drive on board the ferries.



EXPORT BAN LIFTED

- Energy independence was the goal when the U.S. banned the export (with some exceptions) of crude oil out of the U.S.
- Now the country is divided on this issue.
- Ban now lifted.



Questions?

- <http://www.ecy.wa.gov/programs/spills/oilmovement/index.html>
- <http://www.ecy.wa.gov/programs/spills/OilMovement/2014MRStudy.html>